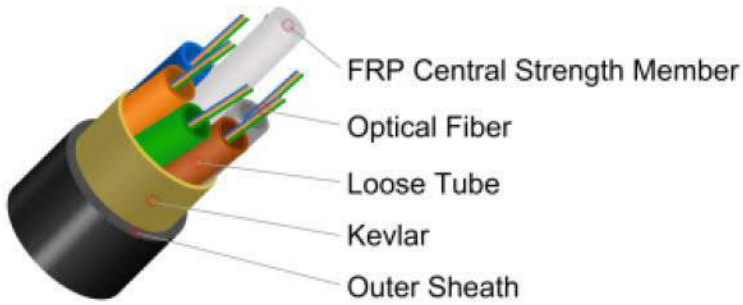
All-dielectric Self-supporting Aerial Installation Cable —ADSS

Description

GL Mini Span ADSS Fiber optic cable is idea for installation in distribution as well as transmission environments, even when live -line installations are required as its name indicates,there is no support or messenger wire required,so installation is achieved in a single pass.

Application

Self-support Aerial installation



Characteristic

1. Suitable for use on distribution and high voltage transmission lines with mini spans or self supporting installation for telecommunication .
2. Track -Resistant outer jacket available for the high voltage line where space potentials up to 35kv.
3. Gel-Filled buffer tubes are S-Z stranded
4. Instead of Aramid yarn or glass yarn,there is no support or messenger wire required. Aramid yarn is used as the strength member to assure the tensile and strain performance for mini span (usually below 100 meters)
5. The fiber counts from 4-24 fibers

Technical Parameter

Span (meter)	Weight(kg/km)	Diameter(mm)	Initial Tension (N)	
			Unload	Load
12fibers				
50	110	9.0~10.5	892	1479
100	110	9.0~10.5	1338	2043
150	110	9.0~10.5	2232	3286
200	110	12.2	3280	4800
24fibers				
50	115	9.0~10.5	904	1486
150	115	9.0~10.5	2261	3304
200	115	12.2	3322	4826

Standard All-dielectric Self-supporting Fiber Optic Cable—ADSS

Description

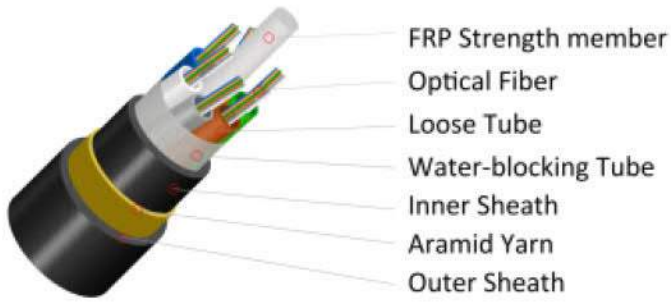
Aramid yarn is used as the strength member to assure the tensile and strain Performance. Mainly installed at existing 220kV or lower voltage power lines . Two Jacket and stranded loose tube design .

Characteristic

1. Two Jacket and stranded loose tube design . Stable performance and compatibility with all common fiber types

2. Instead of Aramid yarn or glass yarn,there is no support or messenger wire required. Aramid yarn is used as the strength member to assure the tensile and strain Performance

3. Mainly installed at existing 220kV or lower voltage power lines .



Technical Parameter

Span (meter)	Weight(kg/km)	Diameter(mm)	Initial Tension (N)	
			Unload	Load
12 fibers per tube				
100	132	12.2	6000	6280
200	134	12.4	6900	71020
300	138	12.6	8200	84520
400	144	13.00	11500	12020
500	148	13.30	12200	12400
600	162	13.60	17500	17852
700	173	13.90	21600	22200
800	178	14.20	24200	24320

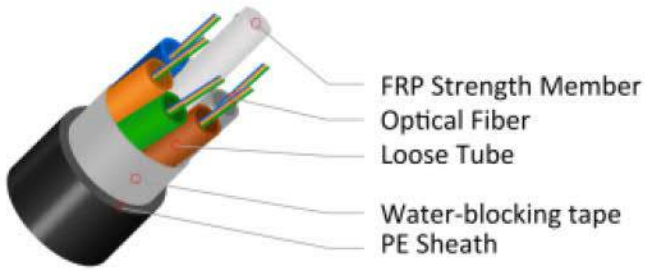
Stranded Loose Tube Cable with Non-metallic Central Strength Member
(GYFTY)

Description

In the GYFTY cable, single-mode/multimode fibers are positioned in the loose tubes, while the loose tubes strand together around non-metallic central strength member (FRP) into a compact and circular cable core. the strength member would be covered with polyethylene (PE). The water-blocking materials are distributed into the interstices of the cable core.Then the cable is completed with a PE sheath.

Application

Duct/Aerial



Temperature Range

Operating : -40℃ to +70℃

Storage : -40℃ to +70℃

Characteristics

1. Excellent mechanical and temperature Performance. Critical protection to fibers.

2. Excellent ultraviolet prevention with PE sheath,excellent crush resistance and flexibility

Standards

Comply with stand YD/T 901-2009 as well as IEC 60794-1

Technical Parameters

Cable Type (Increased by 2fibers)	Fiber Count	Tubes	Fillers	Cable Diameter mm	Cable Weight kg/km	Tensile Strength Long/Short Term N	Crush Resistance Long/Short Term N/100mm	Bending Radius Static/Dynamic mm
GYFTY 2 ~ 12	8 ~ 12	2	5	11.0	97	600/1500	300/1000	10D/20D
GYFTY 14 ~18	14 ~18	3	4	11.0	97	600/1500	300/1000	10D/20D
GYFTY 20 ~ 24	20 ~ 24	4	3	11.0	97	600/1500	300/1000	10D/20D
GYFTY 26 ~ 30	26 ~ 30	5	2	11.0	97	600/1500	300/1000	10D/20D
GYFTY 32 ~ 36	32 ~ 36	6	1	11.0	97	600/1500	300/1000	10D/20D

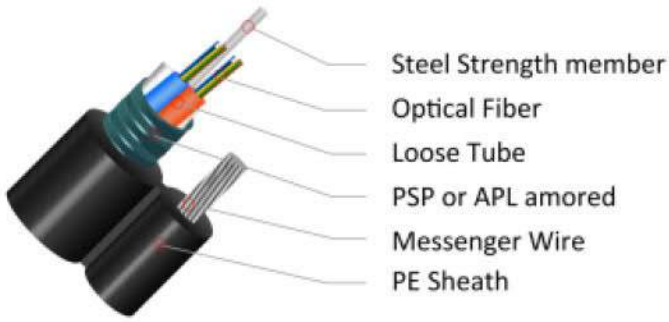
Figure-8 Cable with Steel Tape/Aluminum Tape
(GYTC8S/GYTC8A)

Description

In the GYTC8S/GYTC8A cable, single-mode/multimode fibers are positioned in the loose tubes, while the loose tubes strand together around metallic central strength member into a compact and circular cable core, and the water-blocking materials are distributed into interstices of it. After a PSP/APL is applied around the cable core, this part of cable accompanied with the stranded wires as the supporting part are completed with a PE sheath to be a figure-8 structure.

Application

Self supporting Aerial



Temperature Range

Operating : -40℃ to +70℃

Storage : -40℃ to +70℃

Characteristics

1. Excellent mechanical and temperature performance

2. Critical protection to fibers.

Standards

Comply with stand YD/T 901-2009 as well as IEC 60794-1

Technical Parameters

Cable Type (Increased by 2 fibers)	Fiber Count	Cable Diameter mm	Cable Weight kg/km	Tensile Strength Long/Short Term N	Crush Resistance Long/Short Term N/100mm
GYTC8S/A 2 ~ 30	2 ~ 30	9.5 x 19.1	160.0	2000/6000	300/ 1000
GYTC8S/A 32 ~ 36	32 ~ 36	10.1 x 19.7	170.0	2000/6000	300/ 1000
GYTC8S/A 38 ~ 60	38 ~ 60	10.8 x 20.4	180.0	2000/6000	300/ 1000
GYTC8S/A 62 ~ 72	62 ~ 72	12.4 x 22.0	195.0	2000/6000	300/ 1000
GYTC8S/A 74 ~ 96	74 ~ 96	13.1 x 22.7	222.0	2000/6000	300/ 1000
GYTC8S/A 98~ 120	98~ 120	15.7 x 22.3	238.0	2000/6000	300/ 1000
GYTC8S/A 122~ 144	122~ 144	15.5 x 25.1	273.0	2000/6000	300/ 1000

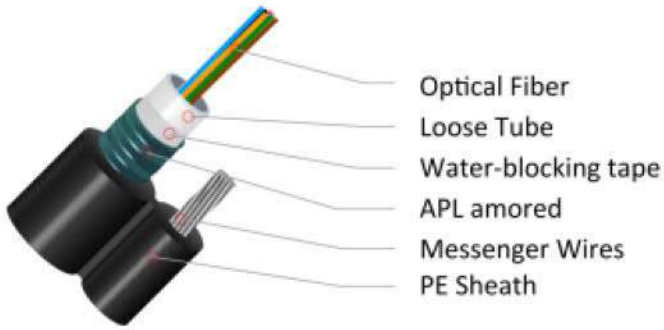
Figure-8 Cable with Steel Tape
(GYXTC8S)

Description

In the GYXTC8S cable,single-mode/multimode fibers are positioned in the loose tube, which is made of high modulus plastic materials and filled with filling compound.PSP is longitudinally applied around the loose tube, and water-blocking materials are distributed into interstices of it.Then.this part of cable accompanied with the stranded wires as the supporting part are completed with a PE sheath to be a figure-8 structure

Application

Self supporting Aerial



Temperature Range

Operating : -40℃ to +70℃

Storage : -40℃ to +70℃

Characteristics

1. Excellent mechanical and temperature performance

2. Critical protection to fibers.

Standards

Comply with stand YD/T 1155-2001 as well as IEC60794-1.

Technical Parameters

Cable Type (Increased by 2fibers)	Fiber Count	Max.Fibers in Tubes	Cable Weight kg/km	Cable Diameter mm	Tensile Strength Long/Short Term N	Crush Resistance Long/Short Term N/100mm
GYXTC8S2 ~ 8	2 ~ 8	8	117.0	8.1 x 16.9	2000/6000	300/1000
GYXTC8S10 ~12	10 ~12	12	121.0	8.3 x 17.0	2000/6000	300/1000